## **INTERNATIONAL SEARCH REPORT**

PCT/US2004/024868

A. CLA	SSIFICATION	OF SUBJECT	MATTER
ILC .	\ VOT	(33/03	

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols) IPC 7 A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

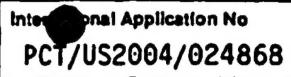
Electronic data base consulted during the International search (name of data base and, where practical, sourch terms used)

EPO-Internal, Sequence Search, WPI Data, PAJ, BIOSIS, EMBASE

Category *	Citation of document, with indication, where appropriate, of the relovant passages	Relevant to claim No.
<b>X</b>	DATABASE Geneseq [Online] 2 July 2002 (2002-07-02), "Streptococcus polypeptide SEQ ID NO 9188." XP002334315 retrieved from EBI accession no. GSN:ABP30006 Database accession no. ABP30006	24-26
<b>A</b>	the whole document -& DATABASE EPO Proteins [Online] 2 February 2004 (2004-02-02), "Sequence 7466 from Patent W00234771." XP002334316 retrieved from EBI accession no. EPOP:CQ650509 Database accession no. CQ650509 the whole document -/	3,10-17

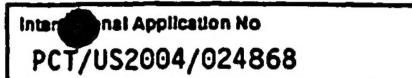
X Further documents are listed in the continuation of box C.	X Patent family members are listed in annex.
<ul> <li>Special categories of cited documents:</li> <li>"A" document defining the general state of the art which is not considered to be of particular relevance</li> <li>"E" earlier document but published on or after the international filing date</li> <li>"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</li> <li>"O" document referring to an oral disclosure, use, exhibition or other means</li> <li>"P" document published prior to the international filing date but later than the priority date claimed</li> </ul>	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention  "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone  "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.  "&" document member of the same patent family
Date of the actual completion of the international search  5 July 2005	Date of mailing of the international search report  2 8. 10. 05
Name and mailing address of the ISA  European Patent Office, P.B. 5818 Patentlaan 2  NL - 2280 HV Rijswijk  Tel. (+31-70) 340-2040, Tx. 31 851 epo ni,  Fax: (+31-70) 340-3016	Authorized officer Perez, C





the relevant passages  A; THE CH; TELFORD, 2-05-02)  ne 16  Protein tial gene  Relevant to claim No.  1-17, 21-27  24-26
CH; TELFORD, 21-27 2-05-02)  ne 16  Protein tial gene  no.
Protein tial gene no.
451
ARMACEUTICALS, 24-26 CARLOS; 002-10-03)
, "S. pyogenes antigen  no.  896
LL AG; MEINKE, 24-26 ER, BIRGIT; (2004-09-16)
te genome Streptococcus  ACADEMY OF ADEMY OF Pages
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## INTERNATIONAL SEARCH REPORT



	INTERNATIONAL SEARCH REPORT	PCT/US200	04/024868
	tion) DOCUMENTS CONSIDERED TO BE RELEVANT		Delevent to claim No.
Category *	Citation of document, with Indication, where appropriate, of the relevant passages		Relevant to claim No.
A	OLIVE C ET AL: "Protection of mice from group A streptococcal infection by intranasal immunisation with a peptide vaccine that contains a conserved M protein B cell epitope and lacks a T cell autoepitope" VACCINE, BUTTERWORTH SCIENTIFIC. GUILDFORD, GB, vol. 20, no. 21-22, 21 June 2002 (2002-06-21), pages 2816-2825, XP004357806 ISSN: 0264-410X the whole document		1-27
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## INTERNATIONAL SEARCH REPORT

Internal Application No PCT/US2004/024868

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 0234771	A	02-05-2002	AU 1412702 A CA 2425303 A1 EP 1328543 A2 MX PA03003690 A	06-05-2002 02-05-2002 23-07-2003 05-05-2004
WO 02077183	Α	03-10-2002	NONE	
WO 2004078907	, A	16-09-2004	AU 2004218284 A1	16-09-2004